DEFENSE INFORMATION SYSTEMS AGENCY
The IT Combat Support Agency

Thunderdome

Realizing Zero Trust

27 October 2021

DISA: TRUSTED TO CONNECT, PROTECT, AND SERVE!
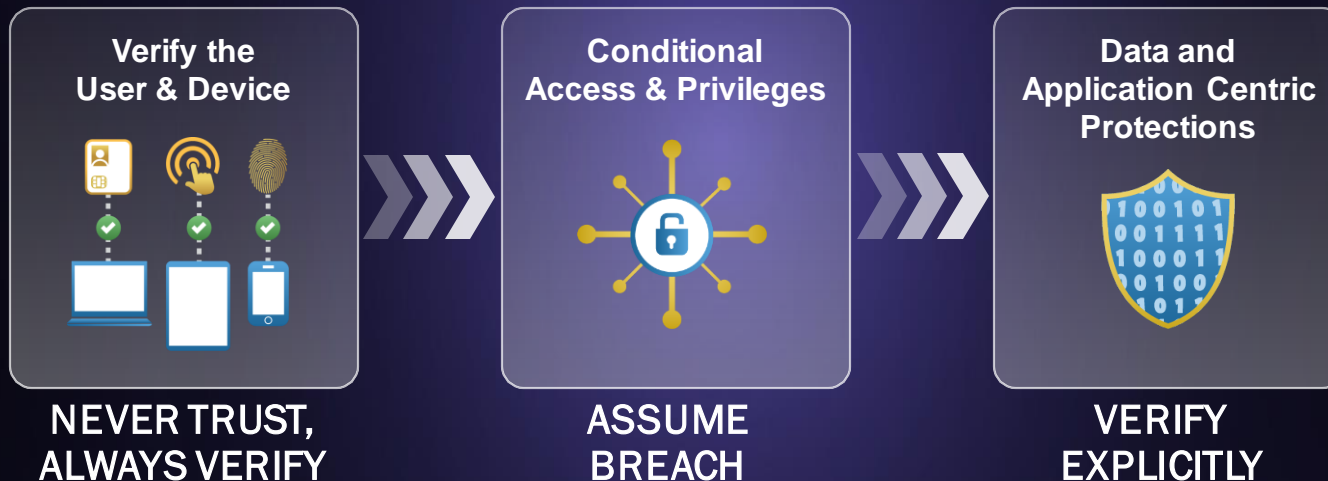
DISCLAIMER

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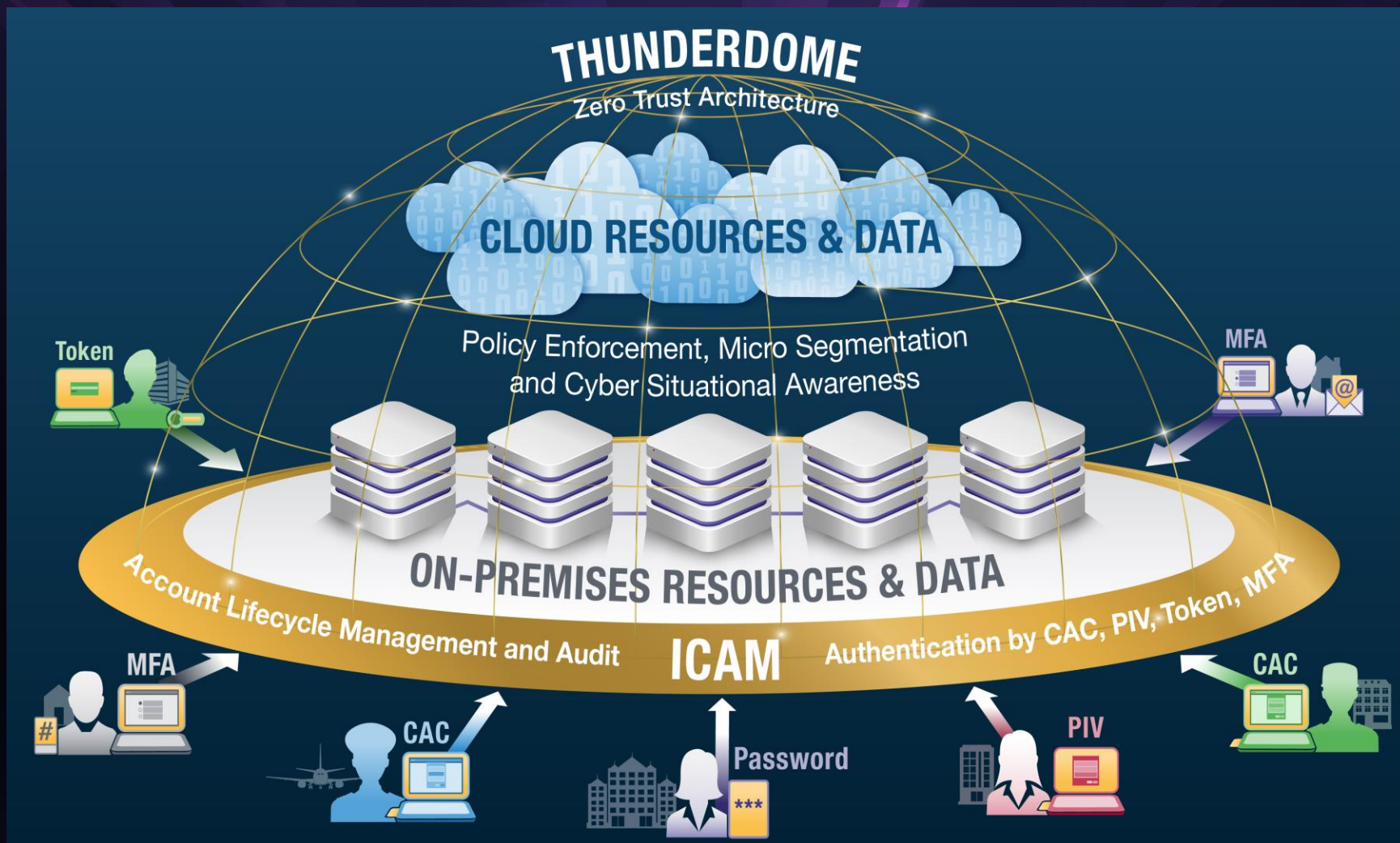
What is Zero Trust?

"A data-centric security model that eliminates the idea of trusted or untrusted networks, devices, personas or processes and shifts to _multi-attribute-based confidence levels that enable authentication and authorization policies_ under the concept of least privileged access."
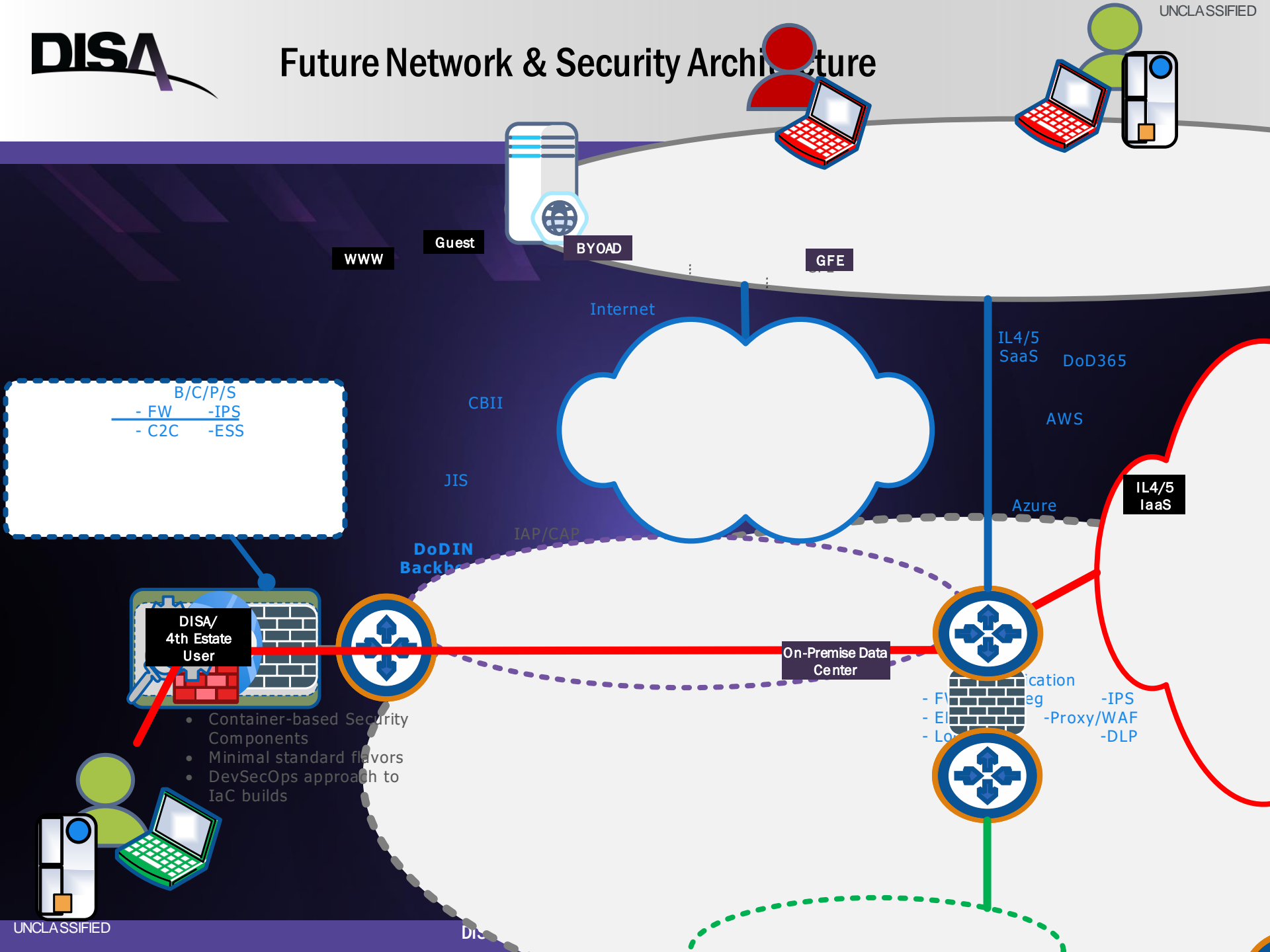
—DoD Digital Modernization Strategy

Verify the User & Device	Conditional Access & Privileges	Data and Application Centric Protections
NEVER TRUST, ALWAYS VERIFY	ASSUME BREACH	VERIFY EXPLICITLY

Implementation of Zero Trust at DISA

DISA: TRUSTED TO CONNECT, PROTECT, AND SERVE!

Future Network & Security Architecture

DISA

WWW

Guest

BYOAD

GFE

Internet

IL4/5 SaaS

DoD365

B/C/P/S
- FW   -IPS
- C2C   -ESS

CBII

AWS

JIS

Azure

IAP/CAP

DoDIN Backbone

IL4/5 IaaS

DISA/ 4th Estate User

On-Premise Data Center

cation
- FW   eg   -IPS
- El   -Proxy/WAF
- Lo   -DLP

- Container-based Security Components
- Minimal standard flavors
- DevSecOps approach to IaC builds

DIS

Seven Pillars of Zero Trust (ZTRA)

Capability	User	Device	Network/Environment	Application & Workload	Data	Visibility & Analytics	Automation & Orchestration
SASE	✔	✔			✔		
SD WAN			✔				✔
Virtual Security Stack (App)				✔	✔		
Virtual Security Stack (Edge)			✔				
ICAM	✔	✔					
C2C		✔			✔		
Data Analytics						✔	✔

ICAM Alignment

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